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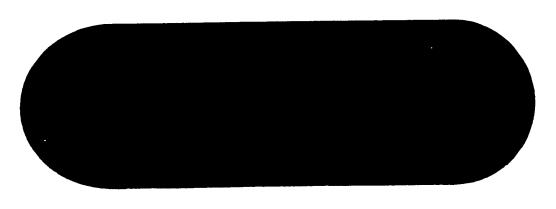
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D2-0263, Vol. XIV

TABLE OF CONTENTS

1.0	INTRO	DUCTION	
•	1.1	PURPOSE AND SCOPE	
	1.2	Organizátion of Document	
	1.3	DEFINITIONS	
	1.4	GENERAL REQUIREMENTS	
	1.5	SPECIAL REGUIREMENTS	
	1.6	Equipment Not Requiring Function	NAL TESTIN
2.0	PROCES	SSING OPERATION	
	2.1	CSA ACTIVATION	TABLE 1
	2.2	PREASSEMBLY TESTING OF OGE AND MGE	TABLE 2
3.0	LAUNC	H CONTROL FACILITY TESTING	TABLE 3
4.0	LAUNC	H FACILITY TESTING	TABLE 4
5.0	STRAT	EGIC MISSILE SUPPORT BASE TESTING	TABLE 5
6.0		T AND FLIGHT-TO-FLIGHT INTEGRA- TESTING	TABLE 6.
7.0	INTER	IM PROCEDURES	

US 4000 2000 REV. 6/62

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NO. D2-9262 VOL. XIV

1.1 PURPOSE AND SCOPE

THE PURPOSE OF THIS DOCUMENT IS TO SPECIFY THE ACCEPTANCE TESTS REQUIRED FOR THE CHECKOUT OF EQUIPMENT ASSEMBLED INTO A MINUTEMAN MISSILE SYSTEM BY THE BOEING COMPANY AT WARREN AFB PREPARATORY TO THE EVENTAUL ACCEPTANCE OF THE FLIGHTS, SQUADRON & THE ENTIRE WING.

PROCEDURE DOCUMENTS REQUIRED FOR THE CERTIFICATION OF ASSEMBLY AND CHECKOUT (ACO) TEST EQUIPMENT AS WELL AS THE DOCUMENTS REQUIRED FOR CHECKOUT OF OGE AND MGE EQUIPMENT ARE CALLED OUT HEREIN.

1.2 ORGANIZATION OF DOCUMENT

THE INFORMATION CONTAINED IN THIS DOCUMENT IS CATEGORIZED AS TO TYPE AND PRESENTED UNDER MAJOR PARAGRAPHS AS FOLLOWS:

PARAGRAPH 1.0 IS THE INTRODUCTION AND THE SUB-PARAGRAPHS UNDER IT CONTAIN THE DESCRIPTION OF THE PURPOSE AND SCOPE OF THE DOCUMENT, DEFINITION OF TERMS PARTICULARLY APPLICABLE TO THE ASSEMBLY AND CHECKOUT TASK, THE GENERAL REQUIREMENTS CONTAINING GROUND RULES GOVERNING DURING THE CHECKOUT PROCESS, AND THE CONDITIONS THAT ARE APPLICABLE DURING TESTING.

THE REMAINING MAJOR PARAGRAPHS CONTAIN THE VARIOUS TABLES IN WHICH THE REQUIRED TESTING AND DOCUMENTATION IS IDENTIFIED. THE TABLES CONTAIN EACH TEST TO BE PERFORMED AND IDENTIFY THE PROCEDURES TO BE USED.

Paragraph 2.0 contains Tables 1 and 2 which covers all the testing and documentation required for activation of the Contractor Support Area (CSA) and the preassembly testing of OCE and OCE and OCE.

TABLE 1 IDENTIFIES THE TESTING AND PROCEDURE DOCUMENTS REQUIRED TO ACTIVATE THE CSA. ALL OF THE TESTING OF ACO EQUIPMENT IS COVERED IN THIS TABLE. Some OF THE ACO EQUIPMENT IS ASSEMBLED AND UTILIZED IN THE CSA AND IS IDENTIFIED AS SUCH. OTHER ACO EQUIPMENT IS USED AT THE LF, LCF & SMSB BUT THE TESTING AND CERTIFICATION OF IT IS ACCOMPLISHED AT THE CSA.

TABLE 2 IDENTIFIES THE PREASSEMBLY TESTING AND PROCEDURES REQUIRED FOR THE OGE AND MGE BEING PROCESSED THROUGH THE CSA AND/OR THE SMSB.

TABLE 3 IDENTIFIES THE TESTING AND PROCEDURES REQUIRED FOR THE CHECK-OUT OF EQUIPMENT ASSEMBLED WITHIN THE LCF. This TESTING INCLUDES THE POSTASSEMBLY CHECKOUT OF END-ITEMS AND THE INTEGRATION TESTING OF SUBSYSTEMS AND SYSTEMS BUT DOES NOT INCLUDE ANY INTEGRATION TESTING INVOLVING ITEMS NOT ASSEMBLED WITHIN THE LCF.

US 4200 2000 REV. 5/62

2-5141-1

NO. D2-9262 VOL. XIV

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1.2 (CONT.)

Table 4 identifies the testing and procedures required for the checkout of equipment assembled within the LF. This testing includes the
postassembly checkout of end-items and the integration testing of
subsystems and systems but does not include any integrat on testing
involving items not assembled within the L.F.

TABLE 5 IDENTIFIES THE TESTING AND PROCEDURES REQUIRED FOR THE CHECKOUT OF EQUIPMENT ASSEMBLED WITHIN THE SMSB.

TABLE 6 IDENTIFIES THE TESTING AND PROCEDURES REQUIRED FOR THE INTEGRATION OF LF AND LCF EQUIPMENT WITHIN A FLIGHT, AND FOR THE INTEGRATION OF EQUIPMENT BETWEEN TWO OR MORE FLIGHTS.

1.3 DEFINITIONS

ASSEMBLE

THE ACT OF RECEIVING EQUIPMENT AND MATERIAL AT THE WORK SITE AND PERFORMING SUCH FURTHER WORK AS 15 NECESSARY TO EMPLACE AND IN ERM CONNECT THE EQUIPMENT IN ACCORDANCE WITH ASSEMBLY DRAWINGS AND DOCUMENTATION. THE TERM "ASSEMBLE" 15 APPROPRIATE EVEN WHEN THE UNIT IS COMPLETELY PORTABLE AND DOES NOT REQUIRE PERMANENT CONNECTION TO FACILITIES OR OTHER EQUIPMENT.

ASSEMBLY AND CHECKOUT EQUIPMENT (ACO)

THE CATEGORY OF TEST EQUIPMENT CONSISTING OF SPECIAL FACILITIES CONTRACT EQUIPMENT, (SFC/OH) AND BASE ACTIVATION TEST EQUIPMENT (BATE) USED IN ASSEMBLY AND CHECKOUT AND TRANSFERABLE FROM SITE TO SITE DURING SYSTEM ASSEMBLY.

BASE ACTIVATION TEST EQUIPMENT (BATE)

EQUIPMENT USED DURING ASSEMBLY AND CHECKOUT AND REQUIRING SPECIAL DESIGN THAT IS PECULIAR TO THE MINUTEMAN ASSEMBLY AND CHECKOUT TASK.

MAINTENANCE GROUP EQUIPMENT (MGE)

The equipment required to maintain the Minuteman missile and the OGE in a condition such that the weapon system is capable of performing its mission. The term "maintain" includes such functions as "test", "repair" and "transport."

OPERATIONAL GROUND EQUIPMENT (OGE)

Equipment required to support the Minuteman missile in the direct performance of its mission. This includes the equipment required to ready the missile during the Launch sequence and to initiate Launch.

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1.3 (CONT.)

END-ITEM

Smallest assembly of equipment identified by a Figure A number or ACO number received or assembled on the base site. These items have previously undergone (1) an acceptance test prior to shipment from a vendor's plant, and (2) receiving inspection at the base site.

SUB-SYSTEM

A COMBINATION OF TWO OR MORE END-ITEMS WHICH ARE COMBINED AT THE BASE SITE AND WHICH, AFTER COMBINATION, PERFORM AN INDIVIDUAL FUNCTION.

SYSTEM

A COMBINATION OF ALL SUBSYSTEMS THAT ARE NECESSARY TO SUPPORT A MAJOR PART OF THE MINUTEMAN WEAPON SYSTEM AT THE BASE SITE.

PREASSEMBLY TESTING

PREASSEMBLY TESTING IS A CONFIDENCE CHECK PERFORMED ON CRITICAL ITEMS OF EQUIPMENT TO ENSURE THAT ONLY PROVEN EQUIPMENT IS ASSEMBLED. THIS REDUCES POSTASSEMBLY MALFUNCTION, AND SUBSEQUENT FAULT ISOLATION TO EQUIPMENT ASSEMBLY MATHER THAN INTERNAL BREAK-DOWN. GENERALLY, THIS TESTING IS RESTRICTED TO ITEMS OF ELECTRONIC EQUIPMENT AND SENSITIVE UNITS OF MECHANICAL EQUIPMENT.

POSTAUSEMBLY TESTING

POSTASSEMBLY TESTING FOLLOWING THE ASSEMBLY OF EQUIPMENT IS PERFORMED WITH THE SAME TYPE OF PORTABLE TEST SETS NORMALLY USED IN ORGANIZATIONAL MAINTENANCE. IN INSTANCES WHERE A UNIQUE FUNCTION MUST BE PERFORMED, SPECIAL TEST EQUIPMENT (BATE) IS USED.

INTEGRATION TESTING

INTEGRATION TESTING IS THE POSTASSEMBLY CHECKOUT OF TWO OR MORE END-ITEMS ASSEMBLED INTO A SUB-SYSTEM OR SYSTEM.

FLIGHT INTEGRATION

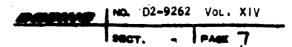
FLIGHT INTEGRATION IS THE PROCESS BY WHICH THE TEN LF'S COMMON TO AN LCF ARE PROGRESSIVELY CONNECTED INTO THE SYSTEM AFTER ASSEMBLY AND CHECHED OUT AS INDIVIDUAL FACILITIES.

FLIGHT-TO-FLIGHT INTEGRATION

This testing commences with delivery of the second flight and is a joint Air Force-Boeing operating. This testing consists of line equalization verification on the inter-flight lines at the affected Launch facilities, followed by Launch net verification test conducted from both Launch control facilities.

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L.3 (CONT.)

Text Months

A DESTRUCTION THAT SHALL BE ACHIEVED IN AN END-ITEM, SUSTAIN ON SYSTEM ON SY

1.4 GENERAL REQUIREMENTS

THE FOLLOWING GENERAL REQUIREMENTS ARE APPLICABLE TO ALL PARA-

1.4.1 CALIBRATION - CERTIFICATION

BEFORE PERFORMING ANY TEST SPECIFIED HEREIN, ACO EQUIPMENT MUST BEAR A VALID QUALITY CONTROL CERTIFICATION LABEL IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN D2-12075, "Calibration.: Certification, and Test Documentation Index".

1.4.2 UNSCHEDULED EVENTS

ANY UNSCHEDULED EVENT THAT OCCURS DURING TESTING SHALL BE REFERRED TO THE BOEING LIAISON ENGINEER FOR NECESSARY ACTION. INSTRUCTIONS THAT MAY BE CONTAINED IN INDIVIDUAL PROCEDURES CONCERNING MALFUNG—FIONS OR OTHER UNSCHEDULED EVENTS SHALL NOT BE PERFORMED UNLESS SO DIRECTED BY THE LIAISON ENGINEER. THE ACTION TAKEN SHALL BE COORDINATED WITH THE BOZING QUALITY CONTROL DEPARTMENT.

CAUTION

ALL ELECTRONIC MALFUNCTIONS IN THE LF AND LCF SHALL BE ISOLATED BY THE USE OF STANDARD MINUTEMAN TEST EQUIPMENT APPLIED TO PRESCRIBED TEST POINTS. THE USE OF TEST EQUIPMENT TO TAKE VOLTAGE READINGS AT NON-STANDARD POINTS IN ELECTRONIC CHASSIS FOR MALFUNCTION ISOLATION, REFERRED TO AS PROBING, IS PROBITED.

1.4.3 TEST ORDER

THIS DOCUMENT DOES NOT PROVIDE THE ORDER OF TEST SEQUENCING.
TEST SEQUENCES MUST BE DERIVED FROM THE PREREQUISITES GIVEN IN
THE INDIVIDUAL TEST PROCEDURES.

1.4.4 SAFETY PRECAUTIONS

COMPLIANCE WITH THE SAFETY PRECAUTIONS PROVIDED IN USAF BSD EXHIBIT 62-16, "MINUTEMAN WEAPON SYSTEM SAFETY STANDARD", AND THE WARREN AFB SUPPLEMENT TO EXHIBIT 62-16 IS MANDATORY.

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NO. D2-9262 VOL. XIV

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1.4.4 (CONT.)

PRIOR TO THE START OF AND DURING THE CONDUCT OF ANY SITE ACCEPT-ANCE TESTS, COMPLIANCE WITH ALL APPLICABLE SAFETY RESTRAINTS SET FORTH IN D2-9262, Vol. XIV AND THE DOCUMENTS REFERENCED IN TABLES 1 THROUGH 6 IS MANDATORY. THESE SAFETY RESTRAINTS ARE ALSO SET FORTH IN A CONVENIENT CHECK LIST FORM IN D2-14863-5 "SAFETY CHECK LIST FOR FLIGHT AND SQUADRON ACCEPTANCE TESTS". THESE CHECK LISTS PRESENTED IN D2-14863-5 SHALL BE USED ONLY AFTER IT HAS BEEN DETERMINED THAT THEY DO NOT CONFLICT WITH THE SAFETY RESTRAINTS SPECIFIED IN THIS DOCUMENT. IN CASE OF CONFLICT, THE REQUIREMENTS OF THIS DOCUMENT SHALL GOVERN.

1.4.5 FACILITY ACCEPTANCE

ALL REAL PROPERTY AND REAL PROPERTY INSTALLED EQUIPMENT (RPIE) SHALL HAVE BEEN ACCEPTED IN ACCORDANCE WITH THE VALIDATION PROCEDURES PER CONTRACT DA-04-548-ENG-98, SPECIFICATION SERIAL NO. ENG-04-548-63-5, Vol. IV, "Specifications for Minuteman Facilities at Warren Air Force Base".

1.4.6 COOLING AIRFLOW ADJUSTMENT

NO POWER SHALL BE APPLIED TO ANY EQUIPMENT REQUIRING COOLING AIR PRIOR TO THE COMPLETION OF THE REQUIRED ADJUSTMENTS TO THE COOLING AIR PROVIDED FOR THE EQUIPMENT.

1.4.7 VOLUME IDENTIFICATION

To achieve consistent document numbering within this document, Volumes of Test procedure documents are denoted by dash numbers, i.e., D2-xxxx-6.

1.4.8 ASSEMBLY REQUIREMENTS

PRIOR TO POSTASSEMBLY TESTING, THE EQUIPMENT TO BE CHECKED OUT SHALL HAVE BEEN ASSEMBLED AND INSPECTED IN ACCORDANCE WITH THE FOLLOWING APPLICABLE ASSEMBLY DRAWINGS:

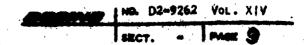
LAUNCH CONTROL	FACILITY	ASSEMBLY	•	24-3405
WARREN AFB				•

LAUNCH FACILITY	ASSEMBLY -	24-3404
WARREN AFB	•	•

MINUTEMAN STRATEGIC MISSILE SUPPORT 24-3404
BASE ASSEMBLY - WARREN AFB

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1.5 SPECIAL REQUIREMENTS

1.5.1 ENVIRONMENTAL CONTROL SYSTEM OPERATION

The environmental control systems in the Launcher Equipment Room of the Launch Facility and in the Launch Control Center shall not be operated until the ambient air temperature is as specified in paragraph 1.5.3. The ambient air requirements shall be initially established in accordance with the LF preheat procedures of document D2-10027.

1.5.2 PREHEAT OPERATION

THE PREHEAT OPERATION SHALL BE INITIATED, MAINTAINED, AND TERMINATED IN THE LAUNCH CONTROL CENTER AND LAUNCH FACILITY IN ACCORDANCE WITH D2-10027. THE PREHEAT EQUIPMENT IN THE LAUNCH FACILITY SHALL NOT BE REMOVED UNTIL THE COMPLETION OF THE SINGLE-THREAD COMMAND & MONITOR TEST REQUIRED BY D2-14556-5.

1.5.3 LAUNCH CONTROL CENTER, LAUNCH EQUIPMENT AND SMSB ENVIRONMENT

At the beginning and end of each test period, or at the beginning of the test day and each 12 hours thereafter during which electronic equipment is operating (electrical power applied), the following ambient air conditions shall be measured and recorded, and shall be as specified.

A) Temperature - the temperature in the Launch Control Center shall be within the Limits of 69°F and 78°F.

THE TEMPERATURE IN THE LAUNCHER EQUIPMENT ROOM SHALL BE WITHIN THE LIMITS OF 60°F AND 80°F.

THE TEMPERATURE IN THE SMSB DURING PERIODS OF EQUIPMENT OPERATION SHALL BE BETWEEN 70°F AND 74°F.

B) RELATIVE HUMIDITY - THE RELATIVE HUMIDITY IN THE LAUNCH CONTROL CENTER SHALL NOT EXCEED THE UPPER PERCENT LIMIT SET BY A STRAIGHT LINE ON A PSYCHROMETRIC CHART CONNECTING 69°F AT 55% RELATIVE HUMIDITY AND 78°F AT 45% RELATIVE HUMIDITY.

THE RELATIVE NUMBER IN THE LAUNCHER EQUIPMENT ROOM SHALL NOT EXCEED THE UPPER PERCENT LIMIT SET BY A STRAIGHT LINE ON A PSYCHOMETRIC CHART CONNECTOMG 60°F AT 60% RELATIVE HUMIDITY AND 80°F AT 45% RELATIVE HUMIDITY.

THE RELATIVE HUMIDITY OF THE AIR IN THE SMSB SHALL NOT EXCEED 60% AT 72 DEGREES DRY BULB.

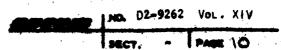
NOTE

THE FOLLOWING TEST EQUIPMENT IS NECESSARY TO SATISFY THEBE REQUIREMENTS:

- A. THERMOMETER, SELF-INDICATING, LIQUID IN GLASS, ACO+3023.
- B. SLING PSYCHROMETER, ACO-316.

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1.5.4 EQUIPMENT COOLING AIR REQUIREMENTS

At the Beginning of Each Test Period, and Each 12 hours thereafter during which electronic equipment requiring ducted cooling air is operating (Electrical power applied), the temperature at the ducted equipment cooling air shall be measured and recorded. The measurement procedures and responses shall be as specified in the applicable portion of D2-14553-5.

1.5.5 CONTROL OF ACCESS TO LAUNCHER

During the Assembly and Checkout Period, the Launcher Closure and the Personnel Access Hatch shall be kept in a closed position unless otherwise authorized by the Senior Field Supervisor at the Launch Facility. In the event that the personnel hatch must be opened, the ACO-4267 "Vehicle to Access Shaft Protective Cover" shall be used whenever possible.

1.5.6 SCN COMMAND LINE CONNECTIONS STATUS

ACHECK SHALL BE MADE TO ENSURE THAT NO SCN COMMAND LINES ARE CONNECTED AT THE INTERCONNECTING BOX BEFORE ANY OF THE FOLLOWING INTEGRATION TESTS ARE PERFORMED:

LAUNCH FACILITY START-UP TEST PER D2-14550-5

LAUNCH FACILITY END-TO-END TEST PER D2-14551-5

TEST AND ADJUSTMENT OF SECURITY SYSTEM PER D2-11276-5

LF - MISSILE INTEGRATION TEST PER D2-14560-5

GROUNDING AND ORDNANCE CIRCUIT TEST PER D2-14552-5

1.5.7 ELECTRICAL POWER REQUIREMENTS

BEFORE ELECTRICAL POWER CONNECTIONS ARE MADE TO A PIECE OF EQUIP-MENT, ASSURANCE SHALL BE RECEIVED THAT THE POWER SHALL BE OF THE PROPER TYPE AND QUALITY AND THAT THE EQUIPMENT HAS BEEN GROUNDED IN ACCORDANCE WITH REQUIREMENTS OF THEIR ASSEMBLY DRAWINGS.

1.5.8 LAUNCH CONTROL SYSTEM SAFETY REQUIREMENTS

PRIOR TO THE BEGINNING OF AN INTEGRATION TEST AND DURING THE PERFORMANCE OF ANY INTEGRATION TEST, THE FOLLOWING CONFIGURATION SHALL BE MAINTAINED EXCEPT WHERE THE TEST PROCEDURE SPECIFICALLY AUTHORIZES OTHERWISE:

- A) LCF ALL TEN (10) LAUNCH ENABLE SWITCHES IN THE COMMUNICATIONS CONTROL CONSOLE SHALL BE IN THE "SAFE" POSITION.
- B) LF (1) IN THE MAIN DISTRIBUTION BOX, THE SAFETY-CONTROL SWITCH SHALL BE MECHANICALLY POSITIONED AND LOCKED IN THE "SAFE" POSITION.

43 400 2000 REV. 6/62

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- 1.5.8 (CONT.)
 - B) CONT.
- (2) ACO-172 MUST BE INSTALLED IN THE P/G CAVITY WHEN THE MISSILE IS IN PLACE AND CONNECTED TO THE G&C UMBILICAL AND SKIRT UMBILICAL CABLES.

1.5.9 MISSILE SAFETY REQUIREMENTS

PRIOR TO THE BEGINNING OF ANY INTEGRATION TEST AND DURING THE PERFORMANCE OF ANY INTEGRATION TEST, THE FOLLOWING CONFIGURATION OF THE MISSILE ORDNANCE SYSTEMS SHALL BE MAINTAINED UPON ANY MISSILE WHICH MAY HAVE BEEN EMPLACED IN AN LF IN A FLIGHT EXCEPT WHERE THE TEST PROCEDURE SPECIFICALLY AUTHORIZES OTHERWISE:

- A) SAFING PINS SHALL BE INSTALLED IN THE FOLLOWING ORDNANCE DEVICES:
 - (1) FIRST-STAGE IGNITOR AT THE REAR END OF THE SECOND-STAGE ENGINE.
 - (2) SECOND-STAGE IGNITOR AT FORWARD END OF THE FIRST-STAGE ENGINE.
 - (3) THIRD-STAGE IGNITOR AT AFT. END OF THIRD-STAGE ENGINE.
 - (4) FIRST AND SECOND STAGE SEPARATIONS DEVICE AT INTER-STAGE A.
 - (5) SECOND AND THIRD STAGE SEPARATIONS DEVICE AT INTERSTAGE B.
 - (6) THRUST TERMINATOR AT THE FORWARD END OF THE THIRD-STAGE ENGINE.
- B) THE G&C UMBILICAL CABLE (W548) SHALL NOT BE CONNECTED TO THE MISSILE UNTIL THE SINGLE THREAD COMMAND AND MONITOR TEST HAS BEEN COMPLETED.
- c) THE SKIRT UMBILICAL (W510) SHALL NOT BE CONNECTED IN THE MISSILE.

1.5.10 LAUNCH FACILITY ORDNANCE SYSTEM SAFETY REQUIREMENTS

PRIOR TO THE BEGINNING OF AND DURING THE PERFORMANCE OF ANY INTEGRA-TION TEST, THE FOLLOWING CONFIGURATION OF THE LF ORDNANCE SYSTEM SHALL BE MAINTAINED:

- A) W550 FROM THE GUIDANCE AND CONTROL UMBILICAL CABLE RETRACTOR SHALL BE DISCONNECTED.
- B) W551 FROM THE LAUNCHER CLOSURE ACTUATING AND LOCKING MECHANISM SHALL BE DISCONNECTED.
- c) W716 FROM THE G&C UMBILICAL PLUG SHALL BE DISCONNECTED.

US 4005 2000 REV. 5/03

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NO. D2-9262 VOL. XIV

1.5.11 COMMAND LINE CONNECTIONS

PRIOR TO THE BEGINNING AND DURING THE PERFORMANCE OF ANY INTEGRATION TEST, THE COMMAND LINE LINKS IN THE LCF' AND LF INTERCONNECTING BOXES IN THE AFFECTED FACILITIES SHALL HAVE BEEN REMOVED AND STORED AT A LOCATION CONVENIENT TO THE BOX. THESE CONNECTING LINKS MAY BE REINSTALLED ONLY WITH THE PERMISSION OF THE SENIOR FIELD SUPERVISOR. AT THE LCF EVEN THOUGH INSTALLATION IS REQUIRED AS PART OF A TEST PROCEDURE.

- 1.5.12 LCF AND LF SHUTDOWN AND START-UP PROCEDURES
- 1.5.12.1 Assembly the ACO-545.5 LCF Shutdown/Startup Procedure Placard to the Wall of the Launch Control Center Beneath the Emergency Escape Hatch. The Placard shall be positioned so that it will be visible to the operator seated at the Launch Control Console. The attachment hardware is provided as part of ACO-545.5. Effectivity of the Placard is specified in 25-39271.
- 1.5.12.2 ASSEMBLE THE ACO-544.5 LF SHUTDOWN/STARTUP PROCEDURE PLACARD TO THE EQUIPMENT ROOM SIDE OF THE LAUNCH TUBE LINER IN THE LOWER LAUNCHER EQUIPMENT ROOM, OPPOSITE THE FIG. A 1283 MOTOR GENERATOR SET. THE ATTACHMENT HARDWARE IS PROVIDED AS PART OF ACO-544.5. EFFECTIVITY OF THE PLACARD IS SPECIFIED IN 25-39270.
- 1.5.12.3 During Assembly and Checkout and prior to the delivery of a flight, all shutdowns and startups of the Launch Confrol Facility shall be in accordance with the procedures provided on the ACO-545.5 placard and all shutdowns and startups of the Launch Facilities shall be in accordance with the procedures provided on the ACO-544.5 placard unless otherwise specified in the test procedures referenced in this document.
- 1.5.12.4 FOLLOWING COMPLETION OF THE LAST CHECKOUT TEST AND PRIOR TO DELIVERY OF THE FLIGHT TO THE AIR FORCE, THE ACO-544.5 AND ACO-545.5 PLACARDS SHALL BE REMOVED FROM EACH LAUNCH FACILITY AND THE LAUNCH CONTROL FACILITY RESPECTIVELY.
- 1.5.13 INTERIM SECURITY REQUIREMENT

AS EARLY AS PRACTICALBE, INTERIM SECURITY EQUIPMENT SHALL BE ASSEMBLED AND CHECKED OUT IN EACH LAUNCH FACILITY.

THE EQUIPMENT REQUIRED, THE DETAILED DESCRIPTION OF INSTALLATION, CHECKOUT AND THE REMOVAL OF THE EQUIPMENT SHALL BE IN ACCORDANCE WITH D2-15006-3, "INSTALLATION, CHECKOUT, AND USE OF LF INTERIM SECURITY SYSTEM."

THE NORMAL OPERATIONAL FUNCTIONING OF SWITCH CIRCUITAY OF EACH OUTER ZONE SWITCH, THE ACCESS HATCH CLOSURE (PRIMARY DOOR) SWITCH AND THE VAULT DOOR COMBINATION LOCK SWITCH WILL HAVE BEEN VERIFIED DURING CHECKOUT OF THE INTERIM SECURITY SYSTEM PER D2-15006-3. THESE FUNCTIONS NEED NOT BE REVERIFIED.

US 4000 2000 REV. 9/61

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NO. D2-9262 VOL. XIV

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1.6 EQUIPMENT NOT REQUIRING FUNCTIONAL TESTING

Tables 1 through 6 of this document include only those items requiring functional testing. The Fig. A and ACO items listed below do not require functional testing; however, some of these items do require calibration, servicing or proof-load testing. For such items, refer to D2-12075, "Calibration, Certification and Test Documentation Index".

1.6.1 FIGURE A ITEMS NOT REQUIRING FUNCTIONAL TESTING

FIG. A	OGE
602.2	COLLIMATOR SET
604.4	COUPLER, GUIDANCE CONTROL
1246	CABLE ASSEMBLY SET, LAUNCH CONTROL
1248	CABLE ASSEMBLY SET, LAUNCHER
1252.2	ADAPTER, RING, MISSILE SUPPORT
1268	Decoder, Command Signals
1334	SEAT, OPERATOR'S
1335	SEAT, OPERATOR'S
1370	LIGHTING EQUIPMENT, SURVIVAL
1375	DAMPER SET, FLUE, ELECTRONIC COOLING
1385	DISTRIBUTION BOX. POWER AND COMMUNICATION
1409	ARRESTER SET, ELECTRICAL SURGE
FIG. A	
ITEM	MGE
11111	TRAL
553	TRANSFORMER, RATIO, GERTSCH RT MODEL 529
5 5 4	SHIFTER, PHASE GERTSCH
555	PRECISION DC VOLTAGE STANDARD
559	400-CYCLE OSCILLATOR
560	AC - DC CONVERTER
565	Truck, HAND, AUTONAVIGATOR
575	TRIPOD, THEODOLITE, WILD IVA
580	INDICATOR, PRESSURE
583	KIT, MODULE CONNECTOR ALIGNMENT
585	SET, TRAVERSE TARGET
590	VOLTMETER, PRECISION, D. C.
590 593	Voltmeter, Precision, D. C. Resistance Box, Decade
590	VOLTMETER, PRECISION, D. C.

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NO. 02-9262 VOL. XIV

REV SYM.

1,6,1 (CONT.)

FIG. A	MGE.
637	SHIPPING AND STORAGE CONTAINER, MISSILE
	GUIDANCE SET
642	OPTICAL ALIGNMENT SET
648	THEODOLITE
657	FIXTURE, TRANSFER AUTONAVIGATOR
66 0	MOUNT, THEODOLITE
675	MIRROR, AZIMUTH ALIGNMENT
684	COVER, PROTECTIVE
687	COVER, ASSEMBLY, DUST
719	OPTICAL ALIGNMENT GROUP
3009	Puller, Printed Circuit
3022	Tryck, Dolly
3037	HOIST, CHAIN
3046	BATTERY FILLER, GRAVITY
3048	SLING, BEAM TYPE
3050	SLING, BEAM TYPE
3052	SLING, MULTIPLE LEG
3053	CLAMP, RESTRAINING, HYDRAULIC ACTUATOR
3066	TRUCK, HAND, LIFT
3067	VOLTMETER
3096	SHIPPING AND STORAGE CONTAINER
3119	ADAPTER ASSEMBLY, SPANNER WRENCH
3140	INDICATOR, DIGITAL DISPLAY
4001	MULTIMETER
4004	OSCILLOSCOPE FEEDERS
4006	OSCILLATOR, AUDIO FREQUENCY
4025	CONTAINER, SAFE ARM PINS
4028	ADAPTER, HOISTING, G&C SECTION
4038	BARRIER SET, LAUNCHER-OPENING, SAFETY
4041	TESTER, GAS, PORTABLE
4047	WRENCH, ASSEMBLY, SOCKET SAFING PIN
4053	ADAPTER, HOISTING, STABILIZING RING CLAMP SET, ADAPTER RING TO MISSILE SKIRT
4069	Shipping and Storage Container, Ballistic
4095	MISSILE
4102	TRUCK, HAND, LIFT
4103	GRIP SET, UMBILICAL CABLE
4104	HOIST, CHAIN
4107	LEVEL SET, MISSILE BASE SUPPORT
4117	HOISTING UNIT
4125	ATTENUATOR, VARIABLE
4127	POWER SUPPLY
4141	DOLLY, GEARCASE-MOTOR
4143	HARNESS, BALLISTIC ACTUATOR
4144	HEADSET
4145	ADAPTER, HOISTING, MOTOR-GENERATOR

42 4800 2000 REV. 5/6

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3-6144-8

NO. D2-#262 Vol.

REV SYM____

1.6.1 (CONT.)

FIG. A	MGE
4146	PLATE, LEVELING
4149	TRUCK, HAND, LIFT
4160	WIRE WRAPPING KIT
4167	LOAD BANK, ELECTRICAL
4172	PLUG-IN UNIT, OSCILLATOR
4175	JACK-SET, TRANSLATING
4179	CASE, ENCODER
4188	JACK SET, LEVELING
4191	TANK, LIQUID STORAGE, METAL
4192	BRIDGE, RESISTANCE
4206	Support Ramp
4217	SUPPORT SET, T-E
4218	SCALE, DIAL INDICATING
4263	BARRIER, LAUNCH TUBE ACCESS DOOR, SAFETY
4264	CABLE AND REEL ASSEMBLY, GROUNDING MISSILE
4265	COVER SET, SLING ROD ENDS
426 7	SHELTER, ENVIRONMENTAL, ENTRANCE HATCH
4270	PLUMB BOB SET, TRANSPORTER-ERECTOR
4274	SUPPORT CRADLE, ROCKET MOTOR CARRIAGE, 3rd Stage
4277	SLING, GEARCASE MOTOR
4278	SHELTER, ENVIRONMENTAL, TRANSPORTER - ERECTOR TO LAUNCHER
4280	Positioning Kit, Carriage, Rocket Motor KMU= 116 /E
4281	SUPPORT, CRADLE, ROCKET MOTOR CARRIAGE, 2BD STAGE
4282	- HOIST, GEARCASE-MOTOR
4289	ROD ASSEMBLY; LAUNCHER CLOSURE LOCK REMOVAL
4290	ADAPTER, HOISTING, MULTIPLYING LINKAGE
4291	CLAMP, BALLISTIC ACTUATOR ROD
4292	COVER, ENVIRONMENTAL, LAUNCHER OPENING
4305	CYLINDER/VALVE, COMPRESSED GAS
4306	PLATE SET, TRANSPORTER - ERECTOR, HINGE TO
4307	RESTRAINT ROD, BASE ADAPTER RING TO TRANSPORTER-ERECTOR
4308	SLING, GUIDANCE & CONTROL, SHIPPING CONTAINER
4319	ADAPTER SET, CONNECTOR
4337	TRUCK, DOLLY, MOTOR-GENERATOR
4339	OHMMETER
4343	BRIDGE, IMPEDANCE

US 400 2000 REV. 5/62

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3-9144-1

NO. D2-9262 VOL. XIV

1.6.1 (CONT.)

FIG. A	MGE.
4370	TEST STAND, GEARCASE - MOTOR
4375	STEP, DOOR ACTUATOR
4378	SLING, CHILLER UNIT AND PUMP
4382	CORD ASSEMBLY, ELECTRICAL
4386	WRENCH SET, ELECTRICAL CONNECTORS
4388	TEST SET, TELEPHONE EQUIPMENT
4394	SLING, GAS GENERATOR, LAUNCHER CLOSURE
4404	HOOK, HOIST, SUPPORT
4405	SUPPORT, HOIST, UMBILICAL CABLE
4408	WRENCH, TORQUE
4415	SLING, TRANSPORTER - ERECTOR ACTUATOR
4440	PLATES, MOUNTING, THEODOLITE
4441	PROTRACTOR STRIPSET, AUTOCOLLIMATOR BENCH RAIL
4442	Case, Decoder, Command Signal
4443	TOOL, CODE CHANGE
4445	CONTROL, MISSILE ERECTION
4446	COVER, PERSONNEL ACCESS, LAUNCHER
4447	INSTALLATION - REMOVAL KIT, CARRIAGE VERTICAL RESTRAINT
4448	EXTENSION, MISSILE BASE ADAPTER RING
4451	CONTROLLER, POWER AZIMUTH DRIVE
4452	TRAVERSE PLATE, LAUNCH TUBE ACCESS Door
4456	FREQUENCY CONVERTER
4459	MULTIMETER, ELECTRONIC
4461	AMMETER
4468	THERMOMETER, ARMORED, STAINLESS - STEEL GROUND SPIKE
4471	MICROWAVE POWER METER
4472	GENERATOR, SIGNAL
4476	TESTER, PYROMETER AND THERMOCOUPLE
4479	OSCILLOSCOPE, DUAL BEAM
4483	KIT, SAFETY PIN INSTALLATION AND REMOVAL
4484	TOWBAR, MOTOR VEHICLE
4521	ALIGNMENT KIT, OPTICAL
4535	ALIGNMENT SET, MISSILE TRANSFER
4541	MAINTENANCE PLATFORM, LAUNCH CONTROL FACILITY

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MO. D2-9262 VOL. XIV

REV SYM____

1.6.2 ACO ITEMS NOT REQUIRING FUNCTIONAL TESTING

ACO	
ITEM	
104	KIT, ADAPTER, INTRASITE CABLE, LF
105	KIT, ADAPTER, INTRASITE CABLE, LCF
112	JUNCTION BOX & CABLE SET, MISSILE
	SIMULATION KIT
115	HF SYSTEM TEST BREAKOUT BOX
116	CABLE EXTENSION
118	POWER CONTROL UNIT
119	CABLE KIT, C53C
120	CABLE, POWER, PROGRAMMER, TEST
123	JUNCTION BOX, TEST, SCN/CSA
125	ADAPTER, LF/DDG CABLE
126	ADAPTER, LCF/DDG CABLE
129	POWER SUPPLY SCN TEST, CSA CABLE KIT, LCF/SCN TEST, CSA
130	CABLE, POWER, SECURITY RACK TEST
131	CABLE KIT, LF/SCN TEST, CSA
132 133	DUMMY LOAD, R/V
	ADAPTER, SCN, FRONT PANEL
13 9 149	UHF SYSTEM TEST BREAKOUT BOX
151	POWER CABLE SET, CSA DRAWER TEST AREA
160	CABLE SET, HF/UHF
161	PANEL, DISTRIBUTION
. 162	CABLE POWER, HVC/SIN
166	PLUG, CAVITY, ENCODER
168	CIRCUIT CARD, FAULT SIMULATION
	G&C COUPLER
170	LF/SIN CHECKOUT ADAPTER
171	LCF/SIN CHECKOUT ADAPTER
172	PLUG, DECODER CAVITY
173	SIMULATOR, LF/SCN INTERFACE
176	FILTER, BOND PASS, E-1
178	Test Plug, E-1
180	TEST LEADS
181	CABLE SET, AC POWER (120V, 60 CPS)
182	CIRCUIT CARD, FAULT SIMULATION,
	PROGRAMMER GROUP
184	DISCONNECT, LF BATTERY, M-G SET
187	CABLE, SECURITY, SITE ACTIVATION
189	GENERATOR, PULSE
194	TRANSCEIVER, PORTABLE
195	CABLE, INTERCONNECTING, BATTERY CHARGER,
	POWER SUPPLY
. 197	CABLE SET, INTERCONNECTING BATTERY
200	ADAPTER, FLOW, G&C UMBILICAL

No sees 2000 REV. 2/00

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1.6.2 (CONT.)
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ACO	
TIEM	
201	MANIFOLD, TEST, DRYER-AIR COMPRESSOR
204	ADAPTER, MANOMETER TO C-60B RACK AIR DUCT
211	Plug, Pressure, Ballistic Actuator
	ASSEMBLY
215	FIXTURE, HOLE LOCATING, MISSILE SUSPENSION
	SYSTEM, SPRING CAN
216	FIXTURE, MISSILE SUSPENSION SYSTEM LOADING
217	SET, FIXTURE, LIFTING, MAIN J-BOX
220	DRILL JIG, ADAPTER PLATE
229	TRUCK, 16º FLAT BED, W/HYDRAULIC CRANE
231	CABLE SET, CHOKE, LCF M-G SET
232	PLATFORM, WORK, LCF
233	ADAPTER, TORQUE, AZIMUTH DRIVE INSTALLATION
235	REMOVAL EQUIPMENT, SNOW AND ICE
245	BEAM-TYPE SLING
248	SLING, DOOR, VAULT, SECURITY PIT
270	CABLE, MISSILE GROUNDING
274	INDICATOR, PHASE SEQUENCE (400 CYCLE)
277	LCF/HVC CHECKOUT ADAPTER
278	LF/HVC CHECKOUT ADAPTER
279	B1 DIRECTIONAL POWER MONITOR
281	ADAPTER TEST MISSILE SIMULATOR KIT
282	ADAPTER, TEST, SCN INTERFACE SIMULATOR
283	ADAPTER, TEST, ACO ENCODER
284	TEST SET, CABLE SYSTEM
287	HANDLE, "T"
289	BREAKOUT BOX, CABLE SYSTEM
290	ADAPTER, COAZIAL CABLE
292	CABLE ASSEMBLY, GROUND CONNECTION SCAFFOLDING, PORTABLE, LF AND LCF
301 306	PLUMB BOB
308	MANOMETER
311	Filter, Water, 10 Micron
313	SAMPLING BOMB
314	SPOTTING SCOPE
315	MI CROSCOPE
316	PSYCHROMETER, SLING
317	BENCH, TEST, ELECTRONIC
318	METER, AUDIO FREQUENCY POWER
320	DUMMY LOAD, UHF
321	GENERATOR, SIGNAL
322	DUMMY LOAD HE
337	VOLTMETER, VACUUM TUBE
341	FLOOR POLISHER
347	AMMETER, 500 AMP
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W3 4866 2666 REV. S/62

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ACO LTEM	
352	LEAD, ELECTRICAL (GROUNDING)
355	TEST SET LCF POWER SUPPLY
356	TEST SET LF POWER SUPPLY
359	CONVERTER, HF
360	METER, RF POWER
362	MEGOHMMETER
367	OSCILLOSCOPE
368	OSCILLATOR, AUDIO FREQUENCY
370	THERMOMETER CONTACT
371	Pump, Centrifugal, Portable
375	SHELTER, MOBILE
379	HAND SET, SOUND POWERED
387	SPRAYER, PAINT, PORTABLE
392	TRANSIT
3 9 3	POWER SUPPLY
394	MILLIMETER, SLIP-ON DC
396	TEST SET, INSULATION BREAKDOWN
404	MOTOR-GENERATOR
405	HOIST, PORTABLE
407	BREATHING APPARATUS SELF CONTAINED
409	CABLE TESTER, PORTABLE
410	TESTER, COMBUSTIBLE GASES
411	TELEPHONE SET, FIELD
412	CAMERA, POLORO, D, FLASH
413	TESTER, OXYGEN DEFICIENCY
414	TESTER, GAS, CARBON MONOXIDE
416	CAMERA, OSCILLOSCOPE
420	TRUCK, 9º VAN W/HOIST & HEAT
421	REPAIR KIT, VAPOR SEAL ENVELOPE
422	Voltmerer, Differential, AC-DC
424 · 426	Meter, Frequency
427	TACHOMETER
430	PUMP, CENTRIFUGAL, PORTABLE
431	HEATER, PORTABLE
432	Truck, Ordnance, Handling and Support
433	TANK, DEIONIZED WATER
435	FAN, CIRCULATING
439	Monitor, Current Recording
440	KIT, PH METER
441	GENERATOR, SIGNAL BUS TRAVEL-ALL
446	
474	METER, FREQUENCY
475	TRUCK, 91 VAN
476	TRUCK, 9º VAN W/HEAT TRUCK, 12º VAN W/HOIST & HEAT
477	Truck, 7 1/2' PANEL W/HEAT
478	TRUCK, 7 1/2 PANEL MYREAT
7/4.	INUUN, F A/A' TAMBL

US 4800 2600 REV. 6/06

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D2-9262 VOL. X14

DCT. - PAGE

1.6.2	(CONT.)	
	ACO	
	TEM.	
	482	RECEIVER, HF
	483	IMPEDANCE BRIDGE, PF
	485	DECADE, CAPACITANCE
	486	GENERATOR, FREQUENCY
	487	VARIAC
	488	INTERRUPTER, CIRCUIT
	489	MEGOHMMETER
	490	ANEMOMETER
	491	PITOT TUBE
	492	DRAFT GAUGE
	494	DETECTOR, LAND LINE
	512	SLING SET, ROCKET MOTOR CARRIAGES
	513	INVERTER DC TO AC
	514	VACUUM TUBE VOLTMETER
	516	TEMPLATE, DRILL, ESA PANEL
	517	ADAPTER, SIN REMOVE RINGING
	518	TRUCK, CABLE MAINTENANCE
	521	POWER CABLE SET
	523	CUTOFF DEVICE, H. V. G&C POWER SUPPLY
	524	CABLE, INTERIM OUTER ZONE SECURITY
	525	PLUG, SCS
	526	TRIPOD, THEODOLITE
	527	CHUCK & FOOT ADAPTER
	528	KIT, INSTALLATION, LAUNCHER CLOSURE ACTUATOR
	529	GENERATOR, GASOLINE DRIVEN
	530	Wrench, "T" Handle
	534	MONITOR & RECORDER, G&C COUPLER
		INGERFACE
	5 35	HF BREAKOUT BOX
	536	ELECTRONIC COUNTER
	537	FIXTURE, LOCATING, LF ACCESS CENTER LINE
	538	Jig, Drill, Intrasite Cable Feed Through
	539	JIG, LOCATING LF, AUTOCOLLIMATOR MIRROR MOUNT
	540	DECK REMOVABLE, PERSONNEL ACCESS SHAFT
	541	KIT, LOCATING, LF MAIN "J" BOX
	542	VARIATOR, PRESSURE - VACUUM
	543	VOLTMETER, PRECISION, DC
	544.2	PLACARD, LF SHUTDOWN/START-UP PROCEDURE
	545.2	PLACARD, LCF SHUTDOWN/START-UP PROCEDURE
	546	POWER SUPPLY
	601	ALIGNMENT PIN, ROCKER ARM TO UPPER BRACKET
	604	SLING
,	606	Cover Protective, Electronic Rack
	,	SALES INAIREILLE PRESIDANTO WASH

US 4868 3666 REV. 8/66

D2-9262 YoL. XIV

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1.6.2 (CONT.)

ACO LTEM	
608	ENVIRONMENTAL ENCLOSURE - LCF
609	SPANNER, LOWER
610	MARKER, AZIMUTH, INDICATOR
612	LIFT BASKET
613	ALIGNMENT PIN, PENDULUM ROD TO ROCKER
. 013	ARM
614	SAFETY BARRIER, LF PERSONNEL ACCESS SHAFT
624	Jig
625	JIG
629	COVER, PROTECTIVE, LCC FLOOR
632	RAMP-ACCESS, PORTABLE LCC
640	FLOOR, WIRE-MESH
643	LOAD NG PLATFORM - PORTABLE LCF
645	DOLLY, LIFT, TILTING, LCF
652	RAILING, GUARD, SUPPORT BUILDING ACCESS
	(PORTABLE HANDRAILS)
653	RAILING, HAND, LCC ENTRANCE
654	KIT, PURGE & DRY
655	LEVELING FRAME, SUPPORT AND SUSPENSION SYSTEM, UPPER BRACKETS
656	ADAPTER, HOIST TO BEAM
658	SEMITRAILER, VAN, LF AND LCF
	ASSEMBLY
659	COVER, PROTECTIVE, UMBILICAL CABLE HEAD
670	CONTAINER, ORDNANCE STORAGE
671	HOIST & SUPPORT ASSEMBLY
672	CABLE ASSEMBLY, LF AND LCF PREHEAT
674	CONDUCTIVITY CELL
675	LIFT PLATE
676	SLING
680	SUPPORT, HOIST, EMP RACK EMPLACEMENT
683	CRADELE, BALLISTIC GAS GENERATOR
690	CANOPY, ENVIRONMENTAL, LF ACCESS HATCH
691	SHELTER, ENVIRONMENTAL
692	Brush, Electroplating
694	STRAP WRENCH
696	DEMINERALIZATION UNIT, ION EXCHANGE,
	TRUCK MOUNTER
697	FIXTURE, TRACK ALIGNMENT
698	CHECKING TOOL, SIGHT TUBE
699	Cover, End-G&C Section
706	GENERATOR, RINGING
707	ELEVATOR & WORK CAGE
708	SUPPORT FRAME, ROLLING
717	BARRIER, SAFETY LAUNCHER OPENING

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D2-9262 Vot. XIV

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1.6.2 (CONT.)
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ACO	
ITEM	•

730	POWER SUPPLY, D. C.
741	TEST SET, PROGRAMMER GROUP
	(INTERIM MODEL)
775	ATTENUATOR, VIDEO
778	ADAPTER, TEST, G&C COUPLER
907	RESISTRO, DECADE
914	PROBE, AC CURRENT
929	TEST SET, POWER SUPPLY
935	TEST TOOL-TEST SET, EXPLOSIVE SET
	CIRCUITRY
0553	TRANSFORMER, RATIO
0554	SHIFTER, PHASE
0555	STANDARD, VOLTAGE
0558	OSCILLATOR, WIDE RANGE
0559	OSCILLATOR, 400-CYCLE
0560	AC - DC CONVERTER, MODEL 100 A CSC
0583	KIT, MODULE CONNECTOR, ALIGNMENT
0584	TIME INTERVAL UNIT
0585	TRAVERSE TARGET SET
0590	VOLTMETER, PRECISION, DC, CSC, 200 AR
0593	RESISTANCE BOX, DECODE
0599	SIMULATOR, LOAD
0642	OPTICAL ALIGNMENT SET
.0719	ACCESSORY KIT, OPTICAL ALIGNMENT
0721	CABLE SET, OPERATIONAL TARGETING
0700	VEHICLE
0722	CASE, HANDLING TAPE
0820	SIMULATOR, TEST SET, R/V
3009	PULLER, PRINTED CIRCUIT CARD
3022	TRUCK, DOLLY
3023	THERMOMETER, SELF INDICATING
3039	FREON LEAK DETECTOR
3046	BATTERY FILLER, GRAVITY
30 59	STOP WATCH
3067	VOLTMETER, D. C.
3074	TAPE, FISH, STEEL
3078	TRUCK, FORK, LIFT
3080	TRUCK, TRANSPORTER
3096	SHIPPING AND STORAGE CONTAINER,
2116	ELECTRONIC EQUIPMENT
.3119	ADAPTER, SPANNER
3126	DITCHING MACHINE, CRAWLER-MOUNTER,
2126	LADDER TYPE
3136	AMMETER, D. C.
3140	INDICATOR, DIGITAL DISPLAY

US 4040 3000 REV. 0/05

SECT. - MARK 23

DEV SYM

ACO TEM 4001 MULTIMETER 4004 OSCILLOSCOPE 4006 OSCILLATOR, AUDIO FREQUENCY 4024 SEMITRAILER, G&C - R/V 4031 TRUCK, MECHANICAL MAINTENANCE 4038 BARRIER, SAFETY, LAUNCHER OPENING 4047 WRENCH, SAFING PIN 4053 ADAPTER HOISTING, STABLIZING RING 4054 CRANE, TRUCK MOUNTED 4059 SEMITRAILER, T-E AND TRUCK 4062 TRUCK, TARGETING 4063 TRUCK, ELECTRONIC MAINTENANCE 4069 CLAMP ASSEMBLY, MISSILE SKIRT TO BASE 4075 TRACTOR, T-E 4105 TRACTOR, LAUNCHER CLOSURE 4107 LEVEL SET, MISSILE BASE SUPPORT 4116 TRUCK, TRACTOR (R/V - G&C MAINTENANCE) 4119 TRUCK, T-E SUPPORT 4127 POWER SUPPLY 4129 TRAILER, BALLISTIC MISSILE 4130 TRACTOR, BALLISTIC MISSILE 4141 TRUCK, DOLLY, TRACTOR, LAUNCHER CLOSURE 4144 HEADSET, INTERPHONE, SIN/LCF - LF 4146 PLATE, SURFACE 4147 LEVEL, PRECISION, MASTER 4160 WRAPPING KIT, SOLDERLESS 4172 PLUG-IN UNIT, OSC LLOSCOPE 4191 TANK, LIQUID STORAGE, METAL 4192 BRIDGE, RESISTANCE 4220 TEST SÉT, RELAY 4244 HOLDING FIXTURE, HOISTING UNIT 4258 WRENCH, TORQUE 4263 BARRIER, SAFETY, LAUNCH TUBE ACCESS 4264 CABLE AND REEL ASSEMBLY, GROUNDING MISSILE 4265 PAD, CUSHIONING, MISSILE SLING ROD ENDS 4267 COVER, PROTECTIVE, VEHICLE TO ACCESS SHAFT 4270 PLUMB BOB SET, T-E 4271 COVER, FITTED, TOE 4278 SHETTER, ENVIRONMENTAL, T/E TO LAUNCH TUBE 4285 HEATER, DUCT TYPE, PORTABLE 4286 DRAIN UNIT COOLANT 4292 COVER, ENVIRONMENTAL, LAUNCHER OPENING 4305 CYLINDER & VALVE ASSEMBLY 4306 PLATE, ADJUSTABLE, T/E HINGE TO PYLON

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REV SYM.

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RO. D2-9262, Vol. XIV

KEY SYM

2.0 PROCESSING OPERATIONS

2.1 CSA ACTIVATION

THE TESTS REQUIRED AND DOCUMENTATION CONTAINING DETAILED TEST PROCEDURES FOR THE ACTIVATION OF THE CSA ARE SPECIFIED IN TABLE 1. THIS TABLE COVERS TESTING REQUIRED FOR CERTIFICATION OF ALL ACO EQUIPMENT.

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NO. D2-9262 VOL. XIV

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-		SEC.	6	М.	, d			•		· ·						
TABLE 1	PROCEDURE	DOC. MO.	02-14553-5	D2-13973	D2-11768	02-12625-4	02-13\$12-4	4	D2-13455-4	D2-14683 PARA: 5.1	THRU 5.1.8.4	,	•			
		, , ,														
CSA ACTIVATION		EQUIPMENT NOMENCLATUME OR NAME OF 1EST	EQUIPMENT COOLING AIRFLOW ADJUSTMENT	START-UP UNIT, LAUNCH FACILITY OGE	SIMULATOR, LAUNCH CONTROL	SIMULATOR, OPERATIONAL MECHANICAL DECODER	GENERATOR, MESSAGE, SCN	ADAPTER, TEST, CSA/SCN/DDG	Kit, R/V Continuity Test	TEST SET, BIT ERROR, SCN				D2-13513, VOL. 4 EXCEPT DELETE THE CONTINUITY TEST PORTION OF PARAGRAPHS 7.2 THROUGH 7.2.7.		
	88	}		2.00	8	20	124	127	155	179		()				
2.1	TTEM	¥0.	2.1.1	2.1.2	2.1.3	2.1.4	2.1.5	2.1.6	2.1.7	2.1.8					•	

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VOL. XIV NO. 02-926

1115 ACO EQUIPMENT NON 100. 2.1.9 372 RECORDER, LAUNCH EVE 2.1.10 A67 HEATER ASSEMBLY, LF A.1.11 743 OPERATIONAL DECODER A.1.12 ADAPTER GROUP, TEST 2.1.14 D624 PROGRAMMER-FAULT LOC 2.1.16 0665 BATTERY POWER SUPPLY 2.1.16 0665 BATTERY POWER SUPPLY 2.1.19 2950 FAULT LOCATOR, PORTA TEST SET, CONSOLES, TEST SET, OZ/12 TRUCK (ACO-406 AT TRUCK (ACO-406 AT TEST AFTER ASSI	2.1	CSA ACTIVATION		TABLE 1	(cont.)	- 1
2.1.19 372 RECORDER, LAUGHER LEATER DEC. 30.2-1397143 3 2.1.10 467 HEATER ASSENBLY, LF PREHEAT 2.1.11 743 OPERATIONAL DECORE SIMULATOR 2.1.12 645. 2.1.13 645. HEATER ASSENBLY, LF PREHEAT 2.1.14 645. HEATER ASSENBLY, LF PREHEAT 2.1.15 645. RECORDER, LAUGHER OF ACC-4062.2 D2-11294 2.1.16 645. ROSENBLE GROUP, TEST 2.1.16 645. RATERY POWER SUPPLY 2.1.16 645. CONTROL-GUIDANCE COUPLER, TEST SET 2.1.17 6917. PHOTO-ELECTRONIC COLLINATOR, TEST SET 2.1.18 3013 TEST SET, COMBUNICATION LAUNCH CONTROL 2.1.19 2950 FAULT LOCATOR, PORTABLE QZ/1Z 2.1.20 29524 THE MISSILE TARBETH SET IS TESTED IN THE TARBETING THE MISSILE TARBETH SET IS TESTED IN THE TARBETING THE MISSILE TARBETH SESDELY THE MISSILE TARBETH SESDELY THE TEST ATTER ASSDELY				PROCEDURES		
2.1.10 467 HEATER ASSEMBLY, LF PREMENT 2.1.10 467 HEATER ASSEMBLY, LF PREMENT 2.1.11 743 OPERATIONAL DECODER SIMULATOR 2.1.12 MISSILE TARGETING SET, PART OF ACC-4062.2 D2-11296-2 2.1.13 06224 ADAPTER GROUP, TEST 2.1.14 06224 PROGRAMMER-FAULT LOCATOR, TEST CENTER 2.1.15 06254 BATTERY POWER SUPPLY 2.1.16 06452 CONTROL-GUIDANCE COUPLER, TEST SET 2.1.17 0717. PHOTO-ELECTRONIC COLINATOR, TEST SET 2.1.18 0717. PHOTO-ELECTRONIC COLINATOR, TEST SET 2.1.19 2950 FAULT LOCATOR, PORTABLE QZ/1Z 2.1.10 29504 TEST SET, CONSOLES, COMPUNICATION THE TARGETING TEST SET, CONSOLES, AT THE CSA. 4** TEST AFTER ASSD-BLY		KQUIPKEN	-		i	-
2.1.10 467 HEATER ASSEMBLY, LF PRENEAT 2.1.11 743 OPERATIONAL DECODER SIMULATOR 2.1.12 MISSILE TARGETING SET, PART OF ACO-4062.2 D2-11292 2.1.13 062344 ADAPTER GROUP, TEST 2.1.14 062444 PROGRAMHER-FAULT LOCATOR, TEST CENTER 2.1.15 06294 BATTERY POWER SUPPLY 2.1.16 0645.2 CONTROL-GUIDANCE COUPLER, TEST SET 2.1.16 0645.2 CONTROL-GUIDANCE COUPLER, TEST SET 2.1.16 0645.2 CONTROL-GUIDANCE COLLINATOR, TEST SET 2.1.19 2950 FAULT LOCATOR, PORTABLE QZ/IZ 2.1.19 2950 FAULT LOCATOR, PORTABLE QZ/IZ 2.1.20 295244 TEST SET, QZ/IZ TEST SET, QZ/IZ THE MISSILE TARGETING SET IS TESTED IN THE TARGETING TRUCK (ACO-4062) AT THE CSA. 4 TEST AFTER ASSEMBLY	<u> </u>	RECORDER		02-1397143 3		
2.1.12 743 OPERATIONAL DECODER SIMULATOR 2.1.12 MISSILE TARGETING SET, PART OF ACO-4062.2 [▶ D2-11296-2 2.1.13 06624 Adapter Group, Test 2.1.14 06244 PROGRAMMER-FAULT LOCATOR, TEST CENTER 2.1.14 06252 CONTROL -GUIDANCE COULER, TEST CENTER 2.1.15 0667 BATTERY POWER SUPPLY 2.1.16 06652 CONTROL -GUIDANCE COULER, TEST SET 2.1.16 06652 CONTROL -GUIDANCE COULER, TEST SET 2.1.16 06652 PROGRAMMER CALLIATOR, TEST SET 2.1.19 3013 TEST SET, CONSOLES, COMMUNICATION LAUNCH, CONTROL 2.1.20 29530 FAULT LOCATOR, PORTABLE QZ/1Z 2.1.20 29530 TEST SET, COLLIANS SET IS TESTED IN THE TARGETING THE MISSILE TARGETING SET IS TESTED IN THE TARGETING THE MISSILE TARGETING SET IS TESTED IN THE TARGETING THE TEST AFTER ASSDBLY 44 TEST AFTER ASSDBLY		HEATER ASSEMBLY,		·		****
2.1.13 06234 ADAPTER GROUP, TEST 2.1.14 06234 ADAPTER GROUP, TEST 2.1.15 06234 PROGRAMHER—FAULT LOCATOR, TEST CENTER 2.1.15 0667 BATTERY POWER SUPPLY 2.1.16 0665.2 CONTROL—GUIDANCE COUPLER, TEST SET 2.1.16 0665.2 CONTROL—GUIDANCE COUPLER, TEST SET 2.1.16 0665.2 CONTROL—GUIDANCE COUPLER, TEST SET 2.1.16 0665.2 PHOTO—ELECTRONIC COLLIMATOR, TEST SET 2.1.19 2013 TEST SET, CONSOLES, COMMUNICATION LAUNCH, CONTROL 2.1.19 2013 TEST SET, CONSOLES, COMMUNICATION LAUNCH, CONTROL 2.1.20 29524 TEST SET, OZ/1Z D.—14738 D.—14738 D.—14738 THE MISSILE TARGETING SET IS TESTED IN THE TARGETING TRUCK (ACC—4002) AT THE CSA. *** TEST AFTER ASSEMBLY				D2-14197-4		·
2.1.14 06224 PROGRAMMEN-FAULT LOCATOR, TEST CENTER 2.1.15 0667 BATTERY POWER SUPPLY 2.1.16 06452. CONTROL-GUIDANCE COUPLER, TEST SET 2.1.16 06452. CONTROL-GUIDANCE COLLINATOR, TEST SET 2.1.16 0717. PHOTO-ELECTRONIC COLLINATOR, TEST SET 2.1.19 3013 TEST SET, CONSOLES, COMMUNICATION LAUNCH, CONTROL 2.1.20 29524 TEST SET, OZ/1Z 2.1.20 29524 TEST SET, OZ/1Z THE MISSILE TARGETING SET IS TESTED IN THE TARGETING TRUCK (ACC-4062) AT THE CSA. *** TEST AFTER ASSINGLY	2.1.12	MISSILE TARGETING SET, PART OF ACO-4062.2	· .	.,		
2.1.14 06244 PROGRAMMER-FAULT LOCATOR, TEST CENTER 2.1.15 0667 BATTERY POWER SUPPLY 2.1.16 0652. CONTROL-GUIDANCE COUPLER, TEST SET 2.1.16 0652. CONTROL-GUIDANCE COUPLER, TEST SET 2.1.18 3013 TEST SET, CONSOLES, COMMUNICATION LAUNCH CONTROL 2.1.19 2950 FAULT LOCATOR, PORTABLE QZ/1Z 2.1.20 29524 TEST SET, OZ/1Z TEST SET, OZ/1Z TEST SET, OZ/1Z THE MISSILE TARGETING SET IS TESTED IN THE TARGETING TRUCK (ACO-4062) AT THE CSA. ** TEST AFTER ASSEMBLY	2.1.13 062	ADAPTER GROUP,		D2-11292		4
2.1.16 6667 BATTERY POWER SUPPLY 2.1.16 6665. CONTROL-GUIDANCE COUPLER, TEST SET 2.1.17 6717. PHOTO-ELECTRONIC COLLINATOR, TEST SET 2.1.18 3013 TEST SET, CONSOLES, COMMUNICATION LAUNCH, CONTROL 2.1.19 2950 FAULT LOCATOR, PORTABLE QZ/1Z 2.1.20 29524 TEST SET, OZ/1Z THE MISSILE TARGETING SET IS TESTED IN THE TARGETING TRUCK (ACD-6062) AT THE CSA. *** TEST AFTER ASSD-BLY	2.1.14 062	I		D2-11294		
CONTROL-GUIDANCE COUPLER, TEST SET PHOTO-ELECTRONIC COLLIMATOR, TEST SET TEST SET, CONSOLES, COMMUNICATION LAUNCH CONTROL FAULT LOCATOR, PORTABLE OZ/12 TEST SET, OZ/12 TEST SET, OZ/12 TEST SET, OZ/12 TEST SET, OZ/12 ** TEST AFTER ASSEMBLY	2.1.15 066	BATTERY POWER	٠.	D2-11298		
2.1.10 3013 TEST SET, CONSOLES, COMMUNICATION LAUNCH CONTROL 2.1.19 2950 FAULT LOCATOR, PORTABLE OZ/1Z 2.1.20 2952* TEST SET, OZ/1Z D. THE MISSILE TARGETING SET IS TESTED IN THE TARGETING TRUCK (ACD-4062) AT THE CSA. *** TEST AFTER ASSEMBLY	2.1.16 065	SLE CONTROL-GUIDANCE COUPLER, TEST SET		D2-1130 0- 2		
TEST SET, CONSOLES, COMMUNICATION LAUNCH CONTROL FAULT LOCATOR, PORTABLE OZ/1Z TEST SET, OZ/1Z TEST SET, OZ/1Z THE MISSILE TARGETING SET IS TESTED IN THE TARGETING TRUCK (ACO-4062) AT THE CSA. ** TEST AFTER ASSEMBLY		- PHOTO-ELECTRONIC COLLIMATOR, TEST		D2-11303-2		
FAULT LOCATOR, PORTABLE 02/12 TEST SET, 02/12 THE MISSILE TARGETING SET IS TESTED IN THE TARGETING TRUCK (ACO-4062) AT THE CSA. ** TEST AFTER ASSEMBLY	2.1.18 301			D2-6901-12		
TEST SET, 02/12 THE MISSILE TARGETING SET IS TESTED IN THE TARGETING TRUCK (ACO-4062) AT THE CSA. TEST AFTER ASSEMBLY	2.1.19 2950	FAULT LOCATOR,		D2-14790		£
NG SET 18 TESTED IN THE CSA.	2.1.20 295.		,	D2~14788		
TEST AFTER ASSENCE.Y		S TESTED IN				. 1
		** TEST AFTER ASSEMBLY				
						4
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2.1			-	TABLE 1 (CONT.)	7		12
Treat	3		·	PROCEDUR	De.		17.00
Ž		EQUIPMENT NUMENCLATURE OR NAME OF 1EST		DOC. NO.	SEC.	EFFER T	
2.1.21 2953	2953	FAULT LOCATOR, PORTABLE LCFSS	- 25	52-15116			
2.1.22	2.1.22 2956##	TEST SET, LCFSS	<u>8</u>	2-1511A			
2.1.23 3035	3033	TEST SET, GUIDANCE SECTION, LIQUID COOLER	<u>.</u>)2-12647	. 74		
2.1.24 3056	3056.	TEST STAND, HYDRAULIC SYSTEM COMPONENTS		4			
2.1.25 3092	2604	TEST SET, PROGRAMMER GROUP	<u>-8</u>	22-7634-12	,		
2.1.26 3113	3113	DUMMY DECODER, RELAY ASSEMBLY	<u>.</u>	26383-12	•		_
2.1.27 4012	4012	TEST SET, DATA ANALYSIS CENTRAL	<u>8</u>	22-10071-12	•		-
2,1.28 4010	4010	ADAPTER GROUP, TEST	<u> </u>	02-7832-13	,		_
2.1.29 4843	3	ELEVATOR-MORK CAGE, PASSENGER AND EQUIPMENT	<u> </u>	22-20675	l		
2.1.30	\$113	AIR CONDITIONER	8_	<u></u>	į		
•		** TEST AFTER ASSEMBLY		-		*	
		TEST PER T. O. 33A2-2-6-51, PARAGRAPHS 5-3 THRU 5-9, EXCEPT CHECK THERMOMETER PER PARAGRAPH 7-4, AND EXCEPT DO NOT CHECK ACCURACY OF FLOWMETER.	· · · · · · · · · · · · · · · · · · ·				
	,	4 USE D2-10825-26, SEC. 111 UNTIL D2-11623-2 IS AVAILABLE. RETEST IS NOT REQUIRED.			,		
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#### ACO ***********************************	~	2.1	CSA ACTIVATION		1	Tronia.
### TEST AFTER ASSEMBLY *** TEST AFTER ASSEMBLY		, ACO		PROCEDU	BE	
TEST-REPAIR SET, CODLER, GUIDANCE SECTION TEST EQUIPMENT, ELECTRONIC FACILITY-BASE MAINTENANCE SIMULATOR, COMMAND STANALS MESSAGE GENERAGOR POVER SUPPLY TEST SET, VOICE REPORTING, STANAL ASSEMBLY TEST SET, WISSILE CONTROL GROUP MISSILE DOWNSTAGE & AUXILLIARY LAUNCHER SIMULATOR TEST SET, EXPLOSIVE SET CIRCUITRY *** TEST AFTER ASSEMBLY		9	EQUIPMENT NOMENCLATURE OR NAME OF 1551	DOC. NO.	DEC.	IVIT.
SIMULATOR, COMMAND SIGNALS SIMULATOR, COMMAND SIGNALS MESSAGE GENERAGOR POWER SUPPLY TEST SET, VOICE REPORTING, SIGNAL ASSEMBLY TEST SET, WOICE REPORTING, SIGNAL ASSEMBLY *** TEST AFTER ASSEMBLY	2.1.31	4150	1	D2-12646-3		
SIMULATOR, COMMAND SIGNALS MESSAGE GENERAGOR POWER SUPPLY TEST SET, VOICE REPORTING, SIGNAL ASSEMBLY TEST SET, MISSILE CONTROL GROUP MISSILE DOWNSTAGE & AUXILLIARY LAUNCHER SIMULATOR TEST SET, EXPLOSIVE SET CIRCUITRY *** TEST AFTER ASSEMBLY	2.1.32	4152,	TEST EQUIPHENT,	02-13794-5		· `.
MESSAGE GENERAGOR POWER SUPPLY TEST SET, VOICE REPORTING, SIGNAL ASSEMBLY TEST SET, MISSILE CONTROL GROUP MISSILE DOWNSTAGE & AUXILLIARY LAUNCHER SIMULATOR TEST SET, EXPLOSIVE SET CIRCUITRY *** TEST AFTER ASSEMBLY	2.1.33	4487		02-14209-12		
POWER SUPPLY TEST SET, VOICE REPORTING, SIGNAL ASSEMBLY TEST SET, MISSILE CONTROL GROUP MISSILE DOWNSTAGE & AUXILLIARY LAUNCHER SIMULATOR TEST SET, EXPLOSIVE SET CIRCUITRY *** TEST AFTER ASSEMBLY	2.1.34	44.89	MESSAGE GENERAGOR	D2-14204-12		
TEST SET, VOICE REPORTING, SIGNAL ASSEMBLY TEST SET, MISSILE CONTROL GROUP MISSILE DOWNSTAGE & AUXILLIARY LAUNCHER SIMULATOR TEST SET, EXPLOSIVE SET CIRCUITRY ** TEST AFTER ASSEMBLY	2.1.35	4523	POWER SUPPLY	D2-11344-12		
TEST SET, MISSILE CONTROL GROUP MISSILE DOWNSTAGE & AUXILLIARY LAUNCHER SIMULATOR TEST SET, EXPLOSIVE SET CIRCUITRY *** TEST AFTER ASSEMBLY	2.1.3	4539	TEST SET, VOICE REPORTING, SIGNAL ASSEMBLY	D2-11360-12		3 · 1
MISSILE DOWNSTAGE & AUXILLIARY LAUNCHER SIMULATOR TEST SET, EXPLOSIVE SET CIRCUITRY *** TEST AFTER ASSEMBLY	2.1.37	10709	TEST SET, MISSILE CONTROL GROUP	D2-11326 & D2-14279	1	
7 TEST AFTER ASSEMBLY	2.1.3	114	& AUXILLIARY LAUNCHER	02-13971-1	m 	
•	2.1.3	3007	TEST SET, EXPLOSIVE SET CIRCUITRY	D2-15810-1	ř	
•						ر الماريخ الما
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2.2 PREASSEMBLY TESTING

THE PREASSEMBLY TESTING REQUIRED FOR OGE PRIOR TO ASSEMBLY IN THE OPERATING CONFIGURATION AND THE TESTING REQUIRED FOR PORTABLE MGE PRIOR TO ITS EMPLACEMENT IN THE SMSB IS SPECIFIED IN TABLE 2.

US 4000 2000 REV. 6/61

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	2.2	PREASSEMBLY TESTING	TESTING		TABLE	E 2	
THE STATE OF	F16.A			, ,	PROCEDURES	24	
į		AND THE PROPERTY OF THE ORDER OF	S NAME OF 1861		DOC. NO.	SEC	1.11.0
2.2.1	1201	PROGRAMMER GROUP	0A-388/GSW-4	·	52-7817-12		
2.2.2	1213	DATA AMALYSIS CENTRAL	AN/GYK-1(V)		D2-10065-12		
2.2.3	1228	DATA ANALYSIS CENTRAL	AN/GYK-2	,	02-10066-12		
2.2.4	1279.	REPEATER, TELEPHONE	TA-461/GYK-2		D2-10069-12		· ·
2.2.5	1320	REPEATER TELEPHONE SET	AN/GTC-10		22-11356-12		·, ·.
2.2.6	1364	REPEATER, TELEPHONE SET	AN/GTC-11		52-11357-12		
2.2.7	1365	REPEATER TELEPHONE SET	AN/GTC-12		52-11358-12 .	, .	
2.2.8	1366	REPEATER TELEPHONE SET	AN/GTC-13		22-11359-12		*
2.2.9		PAS PANEL ASSEMBLY			22-14056-12		
2.2.10 13684	1368.4	RADIO SET	AN/GTC-113		22-11341-12		
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FIG.A		PROCEDURES	Ap	. . ,	
O	EQUIPMENT NOMENCLATURE OR NAME OF TEST	DOC. NO.	SEC.	RPPECT- IVITY	
2.2.11503.2	. MISSILE TARGETING SET (2> AN/GJQ-13	D2-1129 6-2	1		
2.2.12 667	BATTERY POWER SUPPLY	02-11298	;		
2.2.13695.2	TEST SET, CONTROL-GUIDANCE COUPLER AN/GJM-17	02-11300-2	;		
2.2.14 717.2	TEST SET, PHOTO-ELECTRONIC COLLIMATOR TS-1707/GJM	D2-11303-2	}		
2.2.15 2950	0Z/1Z PORTABLE FAULT LOCATOR	02-14790	1		
2.2.16 2953	FAULT LOCATOR, PORTABLE, LCFSS	02-15116	1		,
2.2.17 3013	TEST SET, CONSOLES, COMMUNICATION LAUNCH AN/GSM-58 CONTROL	02-6901-12	1		
2.2.18 3035	TEST SET, GUIDANCE SECTION, LIQUID COCLER TTU-157/F37U	D2-12647	7		
2.2.19 3056	TEST STAND, HYDRAULIC SYSTEM COMPONENTS TTU-161/E	<u>A</u>	ł		
2.2.20 3092	TEST SET, PROGRAMMER GROUP AN/GSM-57	02-7834-12			
2.2.21 3113	DUMMY DECODER-RELAY ASSEMBLY TS-1604/GSM	D2-9383-12			
	EXCEPT CHECK THERMONETER PER PARAGRAPH 5-3 THROUGH 5-9, EXCEPT CHECK THERMONETER PER PARAGRAPH 7-4, AND EXCEPT DO NOT CHECK ACCURACY OF FLOWMETER. THIS ITEM IS PART OF TARGETING TRUCK, FIGURE A 4062. TEST FIG. A 603 (ASSEMBLED IN TARGETING TRUCK) AT THE CSA.				

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2 (CONT.)		SEC. IVITY	•	1	1	•	ł		•		•	-				
TABLE	PROCEDURES	DOC. NO.	D2-10071-12	02-20675	D2-11623-2	02-14203-12	D2-14204-12	<u>A</u>	02-9367-12	02-11344-12	02-11360-12	D2-13581-2 PARA: 6.1	D2-11326 & B2-14278-1			
							· · · · · · · · · · · · · · · · · · ·								·	,
PREASSEMBLY TESTING		AE OF TEST	AN/GYM-1	G\$U-100/E	A/F32C-10	SM-315/GYK-2	MX-3625/GSM-62	AN/GSM-62	0A-3966/GSM-62	PP-3267/GSM	TS-1724/GSW-4			SILE LAUNCH	TEM C 15 TO BE	123-2 IS AVAILABLE.
PREASS		EQUIPMENT NOMENCLATURE OR NAME OF TEST	TEST SET, DATA ANALYSIS CENTRAL	ELEVATOR WORK-CAGE, PASSENGER & EQUIPMENT	AIR CONDITIONER	SIMULATOR, COMMAND SIGNALS	MESSAGE GENERATOR	SIMULATOR SET, ELECTRICAL FUNCTIONS, MISSILE & LAUNCH	START-UP UNIT, LAUNCH FACILITY	POWER SUPPLY	TEST SET, VRSA	BATTERY POWER SUPPLY (SE-12) !!! STAGE	TEST SET, MISSILE CONTROL GROUP TEST SET, EXPLOSIVE SET CIRCUITRY	THE SET CONSISTS OF: (A) RECORDER, SIGNA DATA (B) DISTRIBUTION BOX (C) SIMULATOR, ELECTRICAL FUNCTIONS, MISSILE LAUNCH	NO TEST IS REQUIRED OF ITEMS A & B. ITEM TESTED PER D2-11338-12	USE D2-10825-26, Section III until D2-11623-2 is AVAILABLE
6 1	F1G.A	S	4012	4043	4115	4487	6877	4490.	1677	4523	4539	6209	10709	Δ		
2.2		Š.	2.2.22 4012	2.2.23 4043	2.2.24 4115	2.2.25 4487	2.2.26 4489	2.2.27 4490.	2.2.28 4491	2.2.29 4523	2.2.30 4539	2.2.31 6209	2.2.33 3007			٠,

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3.0 LAUNCH CONTROL FACILITY TESTING

THE TESTS REQUIRED AND DOCUMENTATION CONTAINING DETAILED TEST PROCEDURES FOR CHECKOUT OF EQUIPMENT IN THE LAUNCH CONTROL FACILITY ARE SPECIFIED IN TABLE 3.

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NO. D2-9262 VOL. XIV

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·	·	IVITY	ALL FLIGHTS	ALL FLIGHTS	ALL FLIGHTS	ALL FLIGHTS	ALL FLIGHTS	ALL FLIGHTS	ALL FLIGHTS	ALL FLIGHTS	- vs	0 3 4	F, P ♣ S.	(a) (a) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	rî Tî	1
IABLE 3	8 F	æc.	.		U											
71	PROCEDURES DOCUMENT	DOC. NO.	D2-14400 PARA. 6.0 THRU 6.5.4	D2-15023	02-14553-5	02-7819-13	02-6913-13	02-10065-13	02-10063-13	02-11337-13	D2-11356-13	02-11357-13	D2-11358-13	02-11359-13		•
TING			And the State of t							4				·····	1	S.
LAUNCH CONTROL FACILITY TESTING		NAME OF IROI			Δ	\triangle		Ests)		0A-3460/GSW-4	AN/GTC-10	AN/GTC-11	AN/GTC-12	AN/GTC-13	OW ADJUSTMENT MUST BE ACCOM- NE CONTROL SYSTEM OPERATING POWER TO ANY EQUIPMENT RE→	TESTS MUST BE ACCOMPLISHED ANY TEST SPECIFIED IN ITEMS
LAUNCH CONT	_	EQUIPMENT NOMENCIATORE OR NAME OF 1851	SHOCK ISOLATION SYSTEM	BLAST VALVE SUBSYSTEM CHECKOUT.	EQUIPMENT COOLING AIRFLOW ADJUSTMENT	ELECTRICAL POWER SYSTEM TESTS	LAUNCH CONTROL CONSOLE, OA-3384/GSW-4	DATA ANALYSIS CENTRAL EQUIPMENT (SCN TESTS)	SIN SYSTEM CHECKOUT	COMMUNICATIONS CONTROL CONSOLE	SAC/CTE TELEPHONE REPEATER SET	SAC/CTE TELEPHONE REPEATER SET	SAC/CTE TELEPHONE REPEATER SET	SAC/CTE TELEPHONE REPEATER SET	THE EQUIPMENT COOLING AIRFLOW ADJUSTMENT MUST PLISHED AND THE ENVIRONMENTAL CONTROL SYSTEM OF PRIOR TO THE APPLICATION OF POWER TO ANY EQUIP QUIRING COOLING AIR.	THE ELECTRICAL POWER SYSTEM TESTS MUST BE ACCOMPLISHED PRIOR TO THE PERFORMANCE OF ANY TEST SPECIFIED IN ITEM 3.3 THROUGH 3.17.
3.0	FIG.A		1420.2	1418.3 1428.3 1432.3	:	ŀ	1243	ŀ	:	1338	1320	1364	1365	1366	Δ	
		Ž	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	3.11	3.12		

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LAUNCH. CONTROL FACILITY TESTING

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ALL FLIGHTS ALL FLIGHTS ALL FLIGHTS ALL FLIGHTS ALL FLIGHTS ALL FLIGHTS EFFECT-WITY TABLE 3 (CONT.) SEC. : . PROCEDURES DOCUMENT : ì ۵ 2-20070-13 2-11343-13 02-14555-5 12-14053-13 DOC. NO. 2-11341-13 2-15121 AS-1212/GRC-113 CONSISTING OF ANTENNA (COLLINS) TYPE 2374-1X AND FIG. A. AN/GRC-113 EQUIPMENT NOMENCLATURE OR NAME OF TEST AN/GRA-72 CHECKOUT OF ANTENNA (SOFT-HF RECEIVING/TRANSMITTING) 1425 ELECTRICAL SURGE ARRESTER. PERIMETER SECURITY SYSTEM FAULT LOCATOR TEST ANTENNA GROUP RADIO SET ANTENNA 1424.2 1368.4 1423 TEM Š. 3.18 3.15 3.13 3.16 3.17 3.14

> D2**-926**2 XIV VOL. 37 SEC.

4.0 LAUNCH FACILITY TESTING

THE TESTS REQUIRED AND DOCUMENTATION CONTAINING DETAILED TEST PROCEDURES FOR CHECKOUT OF EQUIPMENT IN THE LAUNCH FACILITY ARE SPECIFIED IN TABLE 4.

U2 2000 0000 REV. 8/62

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SECT. - PAGE 38

	4.0	LAUNCH FACILITY TESTING		TABLE	4	
ITEM			PROCI	PROCEDURES DOCUMENT		
Š		EQUIPMENT NOMENCLATURE OR NAME OF TEST	DOC. NO.	o. SEC.		EFFECT- IVITY
4.1	:	EQUIPMENT COOLING AIRFLOW ADJUSTMENT	02-14553-5	0 S-		ALL FLIGHTS
4.2	;	ELECTRICAL POWER SYSTEM TESTS	D2-7818-13	<u>.</u> ១		ALL FLIGHTS
4.3	:	DATA ANALYSIS CENTRAL EQUIPMENT (SCN TESTS)	02-10066-13	-13		ALL FLIGHTS
4.4	!	LIGUID COOLING EQUIPMENT GROUND GUIDANCE AND CONTROL TESTS	D2-10735-2			ALL FLIGHTS
4.5	;	LAUNCH FACILITY START-UP TESTS	02-14550-5	٠.	-	ALL FLIGHTS
4.6	;	LAUNCH FACILITY END-TO-END TEST	L2-14551-5	٠.	*	ALL FLIGHTS
4.7	!	SECURITY SYSTEM TEST	02-11276-5	<u>.</u>		ALL FLIGHTS
8.4	1	LF - MISSILE INTEGRATION TEST (SEE ITEM 6.11)		-	-	v
4.9	1	ORDNANCE DEVICE POSTASSEMBLY TESTS				
4.9.1		ROTARY ACTUATOR CARTRIDGE (PART OF FIG. A 1202)	D2-7376 PARA. 6.1 AND 6.16	,, ,,	~	ALL FLIGHTS
4.9.2		GAS GENERATOR (PART OF FIG. A 1280)	D2-5959	-		ALL FLIGHTS
4.9.3		SQUIB AND JUMPER CABLE ASSEMBLY (PART OF FIG. A 1248)	4		 .	ALL FLIGHTS
		THE EQUIPMENT COOLING AIRFLOW ADJUSTMENT MUST BE ACCOM- PLISHED AND THE ENVIRONMENTAL CONTROL SYSTEM OPERATING PRIOR TO THE APPLICATION OF POWER TO ANY EQUIPMENT RE- QUIRING COOLING AIR.		 		
		THE ELECTRICAL POWER, SYSTEM TESTS MUST BE ACCOMPLISHED PRIOR TO THE PERFORMANCE OF ANY TEST SPECIFIED IN ITEMS 4.3 THROUGH 4.11. TEST ACCOMPLISHED AS PART OF SECONDARY ORDINANCE CIRCUITS EST IN D2-14552-5, Sec. C.			<u> </u>	

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ALL FLIGHTS RFFECT-IVITY TABLE 4 (CONT.) SEC. ۵ ш ں æ PROCEDURES SEE PARA. 1.5.13 THIS 02-10062-13 DOC. NO. 02-14552-5 02-14552-5 02-14552-5 02-14552-5 D2-14702 DOCUMENT 02-5959 EQUIPMENT NOMENCLATURE OR NAME OF TEST LAUNCHER CLOSURE ACTUATING AND LOCKING MECHANISM TEST GAS GENERATOR AND UMBILICAL RETRACT ORDNANCE LAUNCH FACILITY TESTING MISSILE SUPPORT SYSTEM AZIMUTH DRIVE TEST LF MISSILE GROUND CONTINUITY TEST SECONDARY ORDNANCE CIRCUITS TEST GROUNDING AND ORDNANCE CIRCUIT TEST TELEPHONE EQUIPMENT, SIN/LF TEST SILO GROUNDING TEST INTERIM SECURITY TEST CIRCUIT TEST ľ ŀ 4.0 4.10 4.11.1 4.11.3 4.11.4 4.11.2 TEM 8 4.11 4.12 4.13 4.14

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5.0 SMSB TESTING

THE TESTS REQUIRED AND DOCUMENTATION CONTAINING DETAILED TEST PROCEDURES FOR CHECKOUT OF EQUIPMENT IN THE SMSB ARE SPECIFIED IN TABLE 5.

UD 480 2000 REV. 8/62

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SECT. - PAGE 41

		EFFECI-			,								,ŧ				
TABLE S		SEC.	3	i	!	*****	;	i		ŀ	4	1	· 1				
	PROCEDURE DOCUMENT	DOC. NO.	02-14553-5	02-11292	02-11294	D2-783 2-1 3	D2-12646-3	02-13794-5	A	02-13678-5	02-149\$5	D2-14788	02-15114				
				1.5			4-	- 		- 15, 1 - 11 - <u>1</u>11	************************************					, .	
ING		AME OF 1E01	A	0A-3544/GJM-15	AN/GJM-15	AN/GSM-61	ON A/E37V-3	st A/F37v-	MD-2	AN/GSW-65	N M-G SET INSIDE			STMENT MUST BE CONTROL SYSTEM	OF POWER TO ANY	. •	
SMSB TESTING	N GO SGILL TON	SNCIALORE ON N	LOW ADJUSTMENT		OR TEST CENTER		R, GUIDANCE SECTION	FACILITY-BASE MAINTENANCE TEST	SET, SKID MOUNTED, TYPE MD-2	ER SET	URE FOR INSOLATIO			PARAGRAPH 3A-8 LING AIRFLOW ADJU THE ENVIRONMENTAL	PRIOR TO THE APPLICATION REQUIRING COOLING AIR.		
	TO BUT A CO SELECT A TOURNAMENT TO SELECT	EQUIPMENT NOME	EQUIPMENT COOLING AIRFLOW ADJUSTMENT	ADAPTER GROUP TEST	PROGRAMMER-FAULT LOCATOR TEST CENTER	ADAPTER GROUP TEST	TEST REPAIR SET, COOLER,	ELECTRICAL FACILITY-BA Equipment	MOTOR-GENERATOR SET, S	CODE INSERTER - VERIFIER SET	FUNCTIONAL TEST PROCEDURE FOR INSOLATION M-G SET INSIDE THE SHIELDED ROOM - ALL SMSB'S	TEST SET, 02/12	Test Set, LCFSS	T.O. 35C2-2-32-11, PARAGRAPH 3A-8 THE EQUIPMENT COOLING AIRFLOW ADJUSTMENT MUST	COLIPRENT REGULALI		
	F16.A	Q	Ĭ	623 A	624 Pr	9109	4150 TE	4152 EL	4169 Mg	4252 Co	2 F	2952 TE	2954 TE	TH FI		······································	
5.0			5.1	5.2	5.3	3.4 4.8	5.5	5.6	5.7 4	8. 8	5.9	5.10	5.11				

VOL XIV

NO D2-9262

6.0 INTEGRATION TESTS

THE TESTS REQUIRED AND DOCUMENTATION CONTAINING DETAILED TEST PROCEDURES FOR FLIGHT, SQUADRON AND WING INTEGRATION TESTING ARE SPECIFIED IN TABLE 6.

US 486 2000 REV. 8/68

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SECT. - PAGE 43

6.0	0	INTEGRATION TESTS		-	TABLE 6	
ITEM				PROCEDURES DOCUMENT	22	
20		EQUIPMENT NOMENCLATURE OR NAME OF IEST	٠	DOC. NO.	SEC.	EFFECT-
1.9		INTRAFLIGHT SCN LINE EQUALIZATION TEST				
6.1.1		STATUS LINE EQUALIZATION TEST		02-14554-5	6 0	ALL FLIGHTS
6.1.2		LCF TO LF COMMAND LINE EQUALIZATION TEST		02-14554-5	Ų	ALL FLIGHTS
6.1.3		LF TO LCF COMMAND LINE EQUALIZATION TEST		02-14554-5	۵	ALL FLIGHTS.
6.1.4	-	LF TO LF COMMAND LINE EQUALIZATION TEST		02-14554-5	w ·	ALL FLIGHTS
6.2		SIN INTEGRATION TESTS	•			
6.2.1	,	. SIN LINE EQUALIZATION TEST		02-14555-5	60	ALL FLIGHTS
6.2.2		LCF - LF SIN INTEGRATION TEST		02-14555-5	ပ	ALL FLIGHTS
6.3		SINGLE THREAD TESTS				,
6.3.1		SINGLE THREAD COMMAND AND MONITOR TEST		02-14556-5	Ω.	ALL FLIGHTS
6.3.2	٠	SINGLE THREAD SECURITY SYSTEM TEST		02-14556-5	U	ALL FLIGHTS
						:

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| NOL XIV | NO D2-9262 | | NOE 4.4

EQUIPMENT NOMENCLATURE OR NAME OF TEST PROCUMENT CCT O LE SCIN COMMUNICATIONS EL TEST D2-14566-5 B ALL FLIGHTS LF TO LEF SCIN COMMUNICATIONS EL TEST D2-14566-5 C ALL FLIGHTS SIN COMMUNICATIONS EL TEST D2-14566-5 C ALL FLIGHTS SAC COMMUNICATIONS EL TEST D2-14566-5 E ALL FLIGHTS SAL COMMUNICATIONS EL TEST D2-14566-5 E ALL FLIGHTS WING PAS EL TEST D2-14566-5 G WING V WING PAS EL TEST D2-14566-5 G WING V UNICH HET VERLECATION TESTS D2-14566-5 G WING V SAFING TEST D2-14556-5 G WING V SAFING TEST D2-14559-5 G ALL FLIGHTS FLIGHT SCN TEST D2-14559-5 E ALL FLIGHTS	NT NOMENCLATURE OR NAME OF TEST PROCEDURE DOC. NO. ERENCE INTEGRATION Tests DC-14566-5 SCN COMMUNICATIONS EI TEST D2-14566-5 SCN COMMUNICATIONS EI TEST D2-14566-5 SCN COMMUNICATIONS EI TEST D2-14566-5 NICATIONS EI TEST D2-14566-5 NICATIONS EI TEST D2-14566-5 EI TEST D2-14566-5 EI TEST D2-14566-5 SAFING TESTS D2-14566-5 ORING D2-14559-5 N TEST D2-14559-5 N TEST D2-14559-5		INTEGRATION TESTS		TABLE 6 (CONT.)	3	NT.)
EST EST DOC. NO. SEC. EST D2-14566-5 D2-14566-5 C D2-14566-5 D2-14566-5 F D2-14566-5 F D2-14566-5 G D2-14559-5 D2-14559-5 D2-14559-5 D2-14559-5 D2-14559-5 D2-14559-5 D2-14559-5 D2-14559-5 E	EST 02-14566-5 02-14566-5 02-14566-5 02-14566-5 02-14566-5 02-14566-5 02-14566-5 02-14556-5 02-14559-5 02-14559-5 02-14559-5 02-14559-5 02-14559-5		Togs ao an en go agus e longmon transminos		PROCEDUR	20	
EST 02-14566-5 B 02-14566-5 C 02-14566-5 C 02-14566-5 E 02-14566-5 E 02-14566-5 G 02-14566-5 G 02-14566-5 G 02-14559-5 B 02-14559-5 E 02-14559-5 E 02-14559-5 E 02-14559-5 E	EST D2-14566-5 C D2-14566-5 C D2-14566-5 D2-14566-5 D2-14566-5 D2-14566-5 D2-14566-5 D2-14566-5 D2-14559-5 D2-		EQUIPMENT NUMBERCIALIONE ON NAME OF 1551	٠	DOC. NO.	SEC.	t
10NS EI TEST 02-14566-5 C N	10NS E! TEST 02-14566-5 10NS E! TEST 02-14566-5 5.7 02-14566-5 5.7 02-14566-5 5.7 02-14566-5 5.7 02-14556-5 5.7 02-14559-5 5.7 02-14559-5 5.7 02-14559-5 5.7 02-14559-5 5.7 02-14559-5 5.7 02-14559-5 5.7 02-14559-5 5.7 02-14559-5 5.7 02-14559-5	Ë	ECTRO INTERFERENCE INTEGRATION TESTS				
ST	ST				D2-1456 6-5	a C)	ALL FLIGHTS
D2-14566-5 E D2-14566-5 F D2-14566-5 G D2-14566-5 G D2-14566-5 G D2-14566-5 G D2-14559-5 G D2-14559-5 C D2-14559-5 E D2-14559-5 E	5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1				D2-14566-5	U	LL FLIGHTS
D2-14566-5 E D2-14566-5 G D2-14566-5 G D2-14566-5 H D2-14559-5 G D2-14559-5 D D2-14559-5 E	D2-14566-5 D2-14566-5 D2-14566-5 D2-14559-5 D2-14559-5 D2-14559-5 D2-14559-5		SIN COMMUNICATIONS EL TEST		D2-14566-5	٥	ALL FLIGHTS
D2-14566-5 G D2-14566-5 G D2-14566-5 H D2-14559-5 C D2-14559-5 C D2-14559-5 E	D2-14566-5 D2-14566-5 D2-14566-5 D2-14559-5 D2-14559-5 D2-14559-5 D2-14559-5		SAC COMMUNICATIONS EL TEST		D2-14566-5	ш	ALL FLIGNTS
D2-14566-5 G D2-14566-5 H D2-14559-5 B D2-14559-5 C D2-14559-5 E D2-14559-5 E	D2-14566-5 D2-14566-5 D2-14559-5 D2-14559-5 D2-14559-5 D2-14559-5		SQUADRON HVC EL TEST .		D2-1456 6-5	L	ALL SQUADRON
D2-14566-5 H D2-14559-5 B D2-14559-5 C D2-14559-5 C D2-14559-5 E	D2-145665 D2-145595 D2-145595 D2-145595 D2-145595		WING EWO EI TEST		D2-14566-5	G	WING V
D2-14559-5 B D2-14559-5 C D2-14559-5 E D2-14559-5 E	D2-14559-5 D2-14559-5 D2-14559-5		WING PAS EI TEST		02-14566-5	I	VING V
SAFING TEST RING G REMOVAL TEST D2-14559-5 B D2-14559-5 C D2-14559-5 E	SAFING TEST RING G REMOVAL TEST D2-14559-5 D2-14559-5 D2-14559-5	نہ	AUNCH NET VERFFICATION TESTS				
G REMOVAL TEST D2-14559-5 C D2-14559-5 E	G REMOVAL D2-14559-5 TEST D2-14559-5				D2-14559-5	œ	ALL FLIGHTS
G REMOVAL TEST TEST D2-14559-5 E	G REMOVAL TEST TEST		SITE TAILORING		02-14559-5	ى	ALL FLIGHTS
TEST D2-14559-5 E	TEST		SAFING PLUG REMOVAL		D2-14559-5	۵	ALL FLIGHTS
					02-14559-5		ALL FLICHTS
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	6.0	TABLE 6 (CONIL.)	3	4
ITEM		PROCEDURES	82	
NO.	EQUIPMENT NOMENCLATURE OR NAME OF TEST	DOC. NO.	SEC	EFFECT- IVITY
9.9	SCN SQUADRON INTEGRATION TEST			
6.6.1	LF SAFETY INSPECTION AND TEST	02-14562-5	æ	ALL FLIGHTS
6.6.2	INTERFLIGHT COMMAND LINE EQUALIZATION TEST	02-14562-5	υ	ALL FLIGHTS
6.6.3	INTERFLIGHT SITE TAILORING TEST	02-14562-5	۵	ALL FLIGHTS
4.9.9	INTERFLIGHT SCN INTEGRATION TEST	02-14562-5	LU	ALL FLIGHTS
6.7	HVC SQUADRON INTEGRATION TESTS			•
6.7.1	LCF-LCF HVC LINE EQUALIZATION TEST	02-14561-5	æ	ALL FLIGHTS
6.7.2	. LCF-LF HVC LINE EQUALIZATION TEST	02-14561-5	U	ALL FLIGHTS
6.7.3	LCF-LCF HVC COMMUNICATION TEST	02-14561-5	۵	ALL FLIGHTS
8.9	PAS WING INTEGRATION TESTS			. ,
6.8.1	PAS SOFT TELCO INTERFACE TEST	02-14563-5	60	WING V
6.8.2	PAS HARD TELCO INTERFACE TEST	02-14563-5	U	V PING V
6.8.3	PAS LINE EQUALIZATION TEST	02-14563-5	۵	MING V
4.8.9	PAS COMMUNICATION TEST	02-14563-5	W	WING V
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INTEGRATION TESTS	TABLE 6 (CONT.)	Cont	
	PROCEDURES DOCUMENT	RES	,
EQUIPMENT NOMENCLATURE OF NAME OF TEST	DOC, NO.	\$EC.	E FFECT- IVIIY
EWO WING INTEGRATION TESTS	, `		•
PRIMARY EWO OPERATIONAL TEST	02-14564-5	Δ.	V: NG V
SECONDARY EMO, SCP TO REPEATER, LINE EQUALIZATION TEST.	02-14564-5	Ų	> 500
SECONDARY END, SCP TO SCP, LINE EQUALIZATION TEST	02-14564-5	٥	Vena V
SECONDARY EWO, SCP FL! DRAWER TEST	02-14564~5	w	M: NG V
SECONDARY EMO OPERATIONAL TEST	02-14564-5	Lu.	V ami V
456L WING INTEGRATION TESTS			·
465L TELCO INTERFACE TEST	02-14565-5	60	V PM V
465L, SRCC TO REPEATER, LINE EQUALIZATION TEST	D2-14565-5	Ų	Vinc V
465L, END-TO-END, LINE EQUALIZATION	D2-14565-5	۵	VING V
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| VOL. X1V | NO D2-9262

ALL FLIGHTS ALL FLIGHTS ALL FLIGHTS ALL FLIGHTS ALL FLIGHTS AL FLIGHTS EFFECT-IVITY TABLE 6 (CONT.) ------SEC Ü 8 PROCEDURES œ D2-15080-5 02-15080-5 DOC. NO. 2-14560-5 32-14560-5 32-14560-5 2-14560-5 EQUIPMENT NOMENCLATURE OR NAME OF TEST INTEGRATION TESTS LF-LCF RETRANSMISSION TEST LF-LF RETRANSMISSION TEST LF- MISSILE INTEGRATION TESTS MISSILE ALIGNMENT TEST MIRROR ALIGNMENT TEST MISSILE STARTUP TEST ACO-523 REMOVAL RETRANSMISSION TESTS 6.12.2 6.11.2 6.12.1 6.11.1 6.11.3 6.11.4 TEM Š. 6.12 6.11

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7.0 INTERIM PROCEDURES

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ALL INTERIM PROCEDURES, APPLICABLE TO THIS VOLUME, WILL BE DOCUMENTED AS A PART OF PARAGRAPH 7.0. THESE INTERIM PRO-GEDURES WILL BE IDENTIFIED AND COLLATED NUMERICALLY BY THEIR IP NUMBERS.

D2-9262 VOL. XIV

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